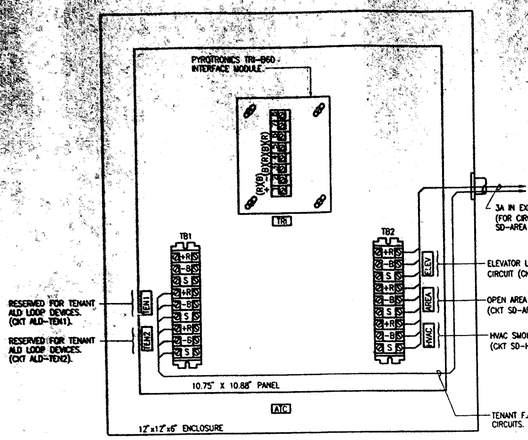
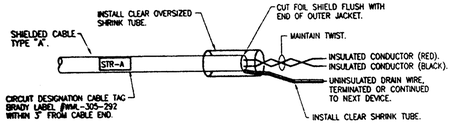
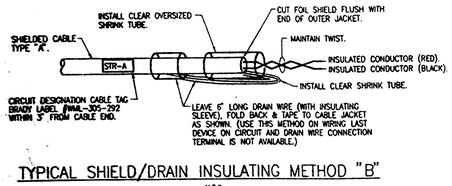


ATC. CABINET
BLOCK WIRING DIAGRAM
N.T.S.

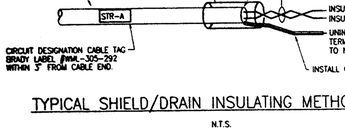
NOTES: EXISTING WIRING NOT SHOWN.



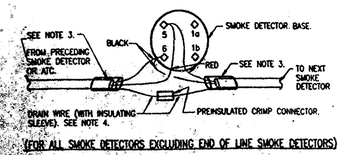
TYPICAL SHIELD/DRAIN INSULATING METHOD "A"
N.T.S.



TYPICAL SHIELD/DRAIN INSULATING METHOD "B"
N.T.S.

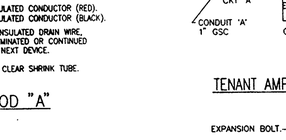


(FOR END OF LINE SMOKE DETECTORS)

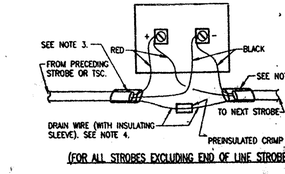


(FOR ALL SMOKE DETECTORS EXCLUDING END OF LINE SMOKE DETECTORS)

TYPICAL SMOKE DETECTOR WIRING DIAGRAM

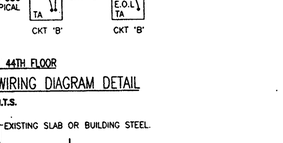


(FOR END OF LINE STROBES)

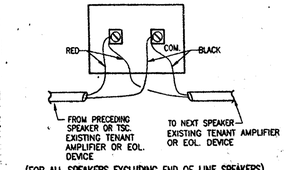


(FOR ALL STROBES EXCLUDING END OF LINE STROBES)

TYPICAL STROBE WIRING DIAGRAM

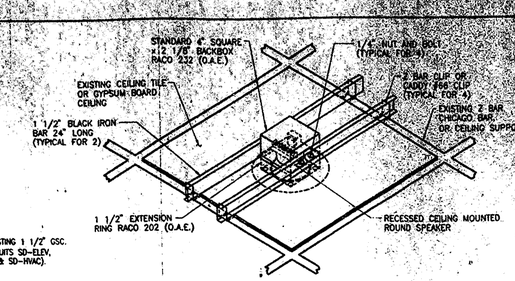


(FOR END OF LINE SPEAKERS)

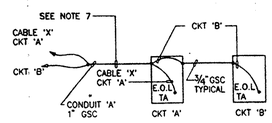


(FOR ALL SPEAKERS EXCLUDING END OF LINE SPEAKERS)

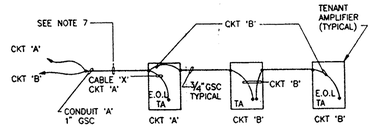
TYPICAL SPEAKER WIRING DIAGRAM



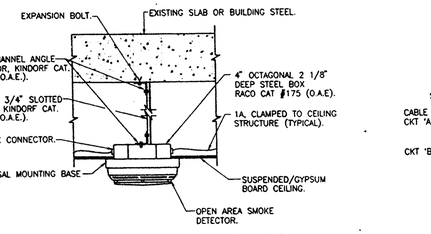
TYPICAL RECESSED SPEAKER INSTALLATION
DETAIL "A"
N.T.S.



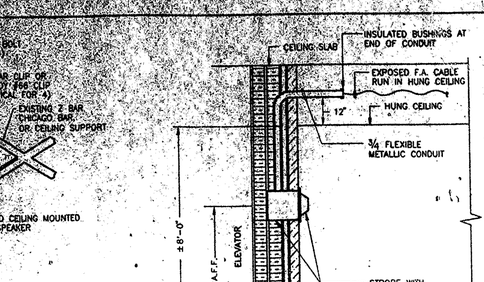
TOWER "B" 44TH FLOOR
TENANT AMPLIFIER WIRING DIAGRAM DETAIL
N.T.S.



TOWER "A" 44TH FLOOR
TENANT AMPLIFIER WIRING DIAGRAM DETAIL
N.T.S.



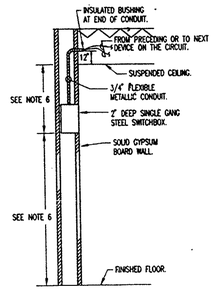
SMOKE DETECTOR INSTALLATION DETAIL "C"
(FOR SUSPENDED CEILING)
N.T.S.



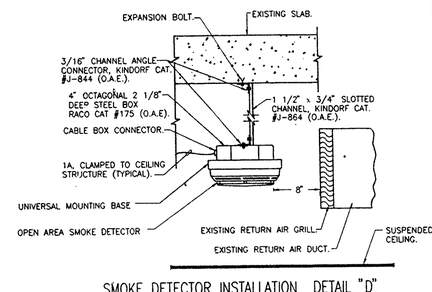
STROBE MOUNTING DETAIL AND WALL PENETRATION
N.T.S.

NOTES:

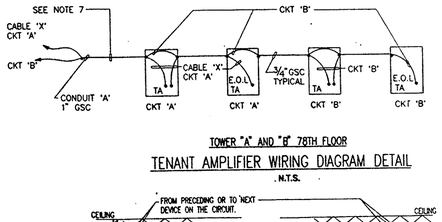
1. FOR LEGEND/SPECIFICATION, CIRCUIT LEGEND, TERMINATION LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DRAWING F-1-2-1.
2. WIRING DIAGRAMS SHOWN ARE SCHEMATIC REPRESENTATIONS FOR CONNECTIONS ONLY.
3. INSULATE SHIELD & DRAIN WIRE AS SHOWN ON TYPICAL SHIELD/DRAIN INSULATING METHOD.
4. SHIELD MUST BE CONTINUOUS AND INSULATED FROM BOXES, CONDUITS, ETC..
5. INTERFACE TENANT FIRE ALARM SYSTEMS BY UTILIZING INTERFACING RELAY (TRI-860) AND CONNECTING TO LOOP DEVICE CIRCUIT ALD-TEN1 OR ALD-TEN2 AS FOLLOW:
   ONE WTC
   TEN1 - FOR NORTH OF SKYLOBBY.
   TEN2 - FOR SOUTH OF SKYLOBBY.
   TWO WTC
   TEN1 - FOR WEST OF SKYLOBBY.
   TEN2 - FOR EAST OF SKYLOBBY.
6. CONTRACTOR SHALL INSTALL FIRE ALARM DEVICE AT 80" ABOVE FINISHED FLOOR OR 6" BELOW SUSPENDED CEILING, WHICHEVER IS LOWER.
7. TENANT AMPLIFIER CABLES AND ASSOCIATED CONDUITS TO BE DISCONNECTED AND REMOVED AND THE TENANT AMPLIFIERS ARE TO BE TURNED OVER TO THE P.A..



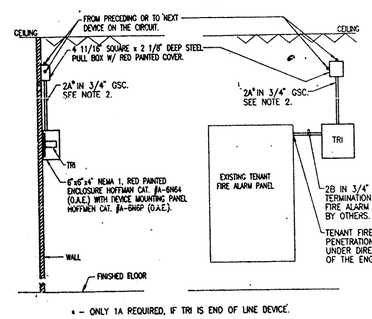
TYPICAL FLUSH MOUNTED
STROBE, SPEAKER OR COMBINATION
INSTALLATION DETAIL "B"
N.T.S.



SMOKE DETECTOR INSTALLATION DETAIL "D"
(IN FRONT OF RETURN AIR GRILL)
N.T.S.



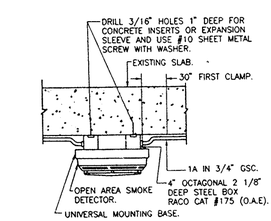
TOWER "A" AND "B" 78TH FLOOR
TENANT AMPLIFIER WIRING DIAGRAM DETAIL
N.T.S.



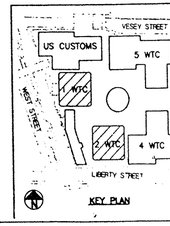
* - ONLY 1A REQUIRED, IF TRI IS END OF LINE DEVICE.

SIDE VIEW FRONT VIEW

TYPICAL SURFACE MOUNTED TRI INSTALLATION DETAIL "F"
(NEAR EXISTING SURFACE MOUNTED TENANT F.A. PANEL)
N.T.S.



SMOKE DETECTOR INSTALLATION DETAIL "E"
(FOR OPEN CEILING)
N.T.S.



Sheet Of

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No.	Date	Revision	Approved
1	6/24/98	AS BID	DC

Engineering Department
Design Division
The World Trade Center

Title
TOWER 1 & 2
FLOOR 44 & 78
FIRE ALARM
DETAILS

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

F.D.	F.D.	4565.000
Designed by	Drawn by	JRLA JOB No
4/27/98	P.E.N.	AS SHOWN
Date	Checked by	Scale

Contract Number: WTC-857.090
Drawing Number: F-1-2-2